

Arnite® TV8 260

PBT-GF30

30% Glass Reinforced

Print Date: 2017-11-03

| Properties | Typical Data | Unit | Test Method |
|--|--------------|-------------------|-----------------|
| Mechanical properties | | Value | |
| Tensile modulus | 9500 | MPa | ISO 527-1/-2 |
| Stress at break | 135 | MPa | ISO 527-1/-2 |
| Strain at break | 3.5 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | 73 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength (-30°C) | 65 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 12 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength (-30°C) | 14 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | Value | |
| Melting temperature (10°C/min) | 225 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 205 | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 220 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion (parallel) | 0.35 | E-4/°C | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion (normal) | 0.7 | E-4/°C | ISO 11359-1/-2 |
| Burning Behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | IEC 60695-11-10 |
| Oxygen index | 20 | % | ISO 4589-1/-2 |
| Electrical properties | | Value | |
| Volume resistivity | >1E13 | Ohm*m | IEC 60093 |
| Comparative tracking index | 475 | V | IEC 60112 |
| Other properties | | Value | |

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Property Data

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| Properties | Typical Data | Unit | Test Method |
|---------------------|--------------|-------------------|----------------|
| Water absorption | 0.3 | % | Sim. to ISO 62 |
| Humidity absorption | 0.15 | % | Sim. to ISO 62 |
| Density | 1520 | kg/m ³ | ISO 1183 |

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